

Foreword

How Forecasts Are Made

Most of the annual streamflow in the Western United States originates as snowfall. This snowfall accumulates high in the mountains during winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Predictions are based on careful measurements of snow water equivalent at selected index points. Precipitation, temperature, soil moisture and antecedent streamflow data are viewed in conjunction with snowpack data to prepare runoff forecasts. This report presents a comprehensive picture of water supply outlook conditions for areas dependent upon surface runoff. It includes selected streamflow forecasts, summarized snowpack and precipitation data, reservoir storage data and narratives describing current conditions.

Streamflow forecasts are cooperatively generated by Soil Conservation Service and National Weather Service hydrologists. Forecasts become more accurate as more data affecting runoff becomes known. For this reason, forecasts are issued that reflect three future precipitation conditions — Below Normal, Average, and Above Normal. These forecasts are termed reasonable minimum, most probable, and reasonable maximum. Actual streamflow can be expected to fall between the lower and upper forecast values eight out of ten years.

Snowpack data are obtained by using a combination of manual and automated measurement methods. Manual readings of snow depth and water equivalent are taken at locations called snow courses on a monthly or semi-monthly schedule during the winter. In addition, snow water equivalent, precipitation, temperature, and other parameters are monitored on a daily basis and transmitted via radio telemetry to central data collection facilities. Both monthly and daily data are used to project snowmelt runoff.

For More Information

Copies of Monthly Water Supply Outlook Reports and other reports may be obtained from the states listed below. Because of the limited space, snow survey measurements are not published in monthly reports. An annual snow survey data summary is published by the Soil Conservation Service for each of the western states. Historical snow survey data may be obtained at those same offices.

STATE	ADDRESS
Alaska	201 East 9th Ave., Suite 300, Anchorage, AK 99501-3687
Arizona	201 East Indianola, Suite 200, Phoenix, AZ 85012
Colorado (New Mexico)	2490 West 26th Ave., Denver, CO 80211
Idaho	304 North 8th Street, Room 345, Boise, ID 83702
Montana	10 East Babcock, Room 443, Federal Building, Bozeman, MT 59715
Nevada	50 South Virginia Street, Third Floor, Reno, NV 89505
Oregon	1220 Southwest 3rd Ave., 16th Floor, Portland, OR 97204
Utah	4402 Federal Building, 125 South State Street, Salt Lake City, UT 84147
Washington	360 U.S. Court House, Spokane, WA 99201
Wyoming	Federal Building, 100 East "B" Street, Casper, WY 82602

In addition to state reports, a Water Supply Outlook for the Western United States is published by the Soil Conservation Service and National Weather Service monthly, January through May. Reports may be obtained from the Soil Conservation Service, West National Technical Center, 511 Northwest Broadway, Room 547, Portland, OR 97209.

Published by other agencies:

Water Supply Outlook Reports prepared by other agencies include: California — Snow Survey Branch, California Department of Water Resources, P.O. Box 388, Sacramento, CA 95802; British Columbia — The Ministry of Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia, V8V 1X5; Yukon Territory — Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory, Y1A 3V1; Alberta, Saskatchewan, and N.W.T. — The Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta, T3C 1A6.

Utah Water Supply Outlook

and

Federal – State – Private Cooperative Snow Surveys

Issued by

Wilson Scaling
Chief
Soil Conservation Service
Washington, D. C.

Released by

Francis T. Holt
State Conservationist
Soil Conservation Service
Salt Lake City, Utah

In cooperation with

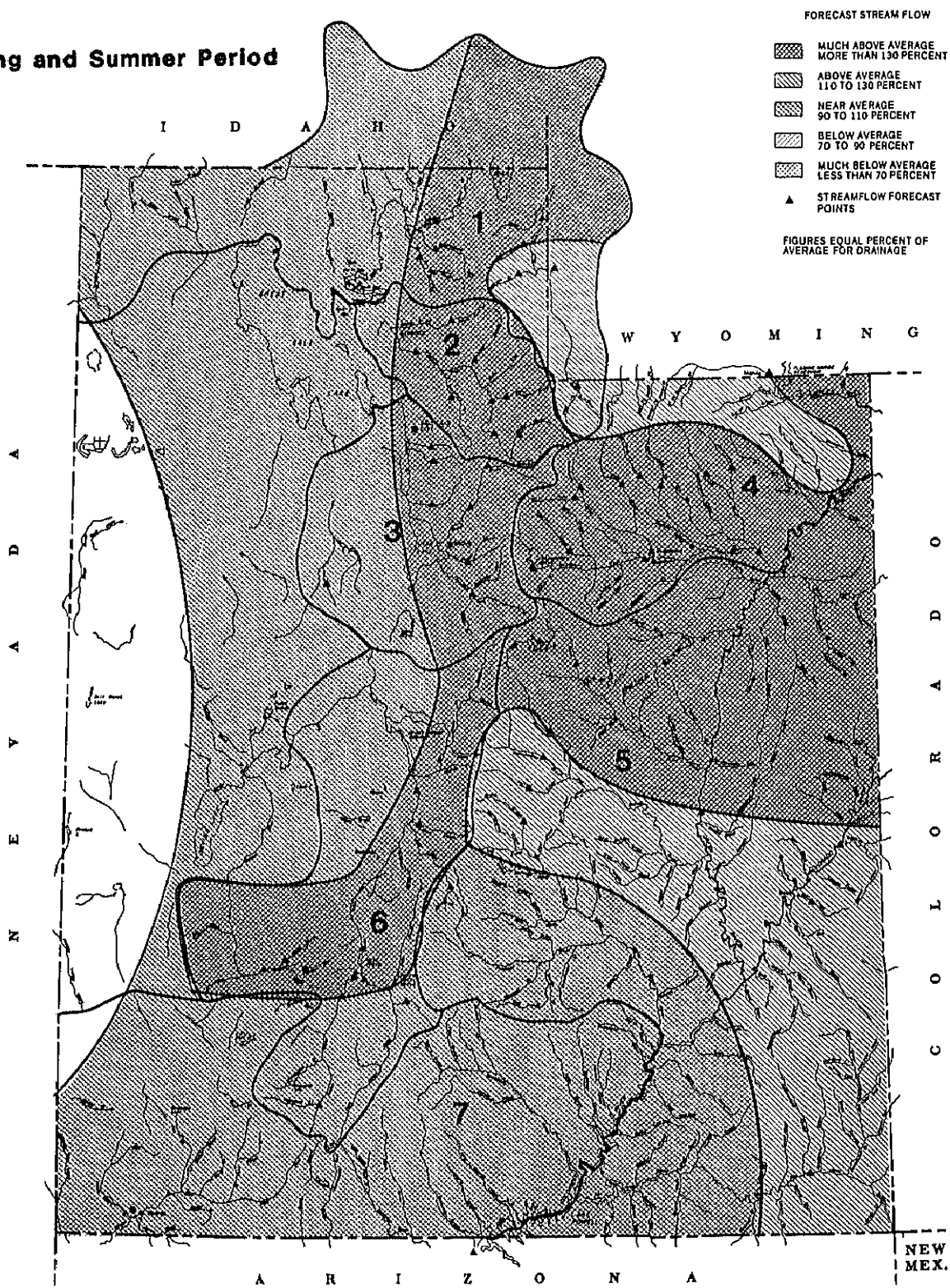
Utah State Department of Natural Resources	
Robert L. Morgan	D. Larry Anderson
State Engineer	Director
Division of Water Rights	Division of Water Resources

Prepared by

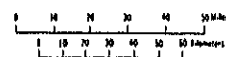
Jon G. Werner
Snow Survey Supervisor
Soil Conservation Service
125 So. State St., Fed. Bldg.
P. O. Box 11350
Salt Lake City, Utah 84147

Streamflow Prospects for Utah

Spring and Summer Period



- 1 BEAR RIVER BASIN
- 2 WEBER & OGDEN WATERSHEDS IN UTAH
- 3 UTAH LAKE, JORDAN RIVER & TOOELE VALLEY
- 4 UNITAH BASIN & DAGGET SCD'S
- 5 CARBON, EMERY, WAYNE, GRAND, & SAN JUAN CO.
- 6 SEVIER & BEAVER RIVER BASINS
- 7 E. GARFIELD, KANE, WASHINGTON, & IRON CO.



GENERAL OUTLOOK

SUMMARY:

Another month of above average precipitation and temperature during March has been both a blessing and a curse. On one hand, the much needed precipitation in southern Utah has increased reservoir storage and streamflow forecasts for some of the areas that needed it the most. On the other hand, above normal precipitation and temperatures have enhanced high elevation snowpack to record levels on some snow courses in northern Utah and kept streamflows into the Great Salt Lake high.

SNOWPACK:

April 1 mountain snowpack compared to the April 1 average varies widely from north to south and from high to low elevation across Utah. Several high elevation sites in northern Utah have record snow water equivalent in the snowpack. In southern Utah, on the other hand, water content levels decrease to near normal on the highest sites. Many lower elevation sites have below normal snowpack while some of the lowest sites are bare as a result of much above average temperatures. Snowpack ranges from 66% of average in southwestern Utah to 135% on the Uintas.

PRECIPITATION:

March precipitation at mountain stations was generally above average across the state. Areas of the state with the least snowpack (the Sevier and Virgin River watersheds) fortunately received precipitation in excess of average by 33 to 46% respectively. March precipitation ranged from 105 to 146% of average across the state. Water year accumulated precipitation now ranges from 120% in southwestern Utah to 146% of the October through March average on the Provo River-Utah Lake-Jordan River watershed.

RESERVOIRS:

Reservoir storage in 28 key irrigation reservoirs of the state is 78% of capacity and 133% of average even though many reservoirs are being held down in anticipation of high runoff. The situation in the Pine Valley-Bull Valley mountain area of southwest Utah has improved as a result of above average precipitation during March. Gunlock Reservoir may fill but it is still unlikely that the Enterprise Reservoirs will fill.

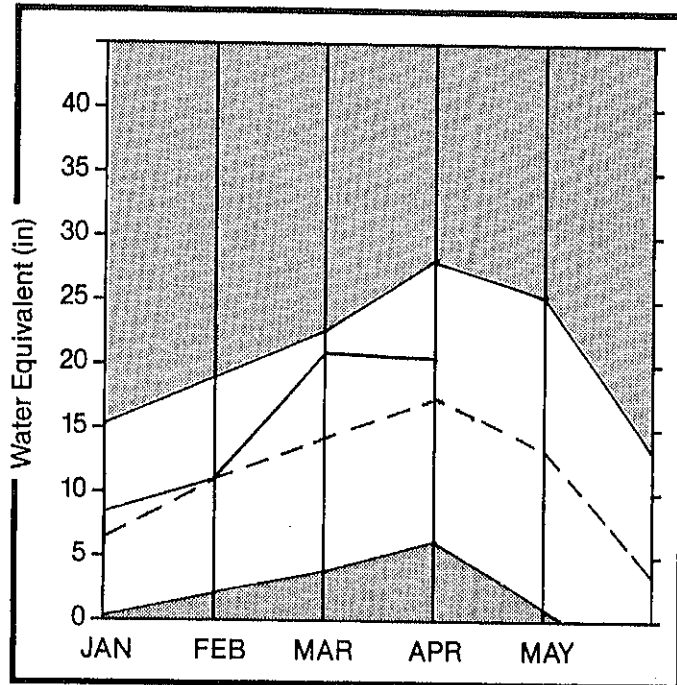
STREAMFLOW:

Warmer than average temperatures in March continued the early melt on many low and mid-elevation snow courses which resulted in reduced April-July forecasts for some streams. On other streams, however, where heavy precipitation and/or above average snow-pack accumulation on high elevation snow courses negated the impact of the snowmelt, the forecasts have increased from the levels of last month. Forecasts now range from 80% of average on Salt Creek near Nephi to 384% for the Sigurd to Gunnison reach of the Sevier.


Forecasts prepared for this bulletin represent cooperative efforts of the Soil Conservation Service and the National Weather Service in an effort to provide the best possible service to water users and managers.

Bear River Basin

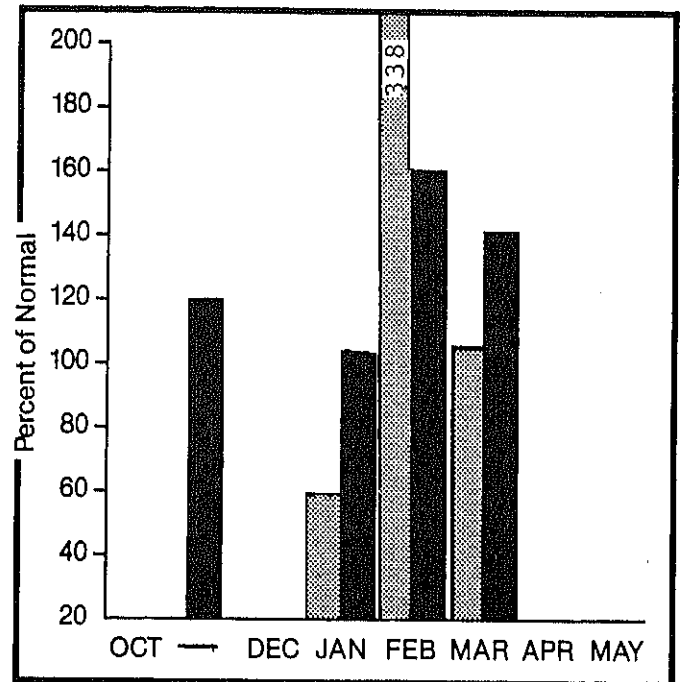
Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
Minimum  Current 

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Snowpack on the Bear River drainage varies widely with elevation from no snow on low elevation sites to record snowpack on some cool high elevation sites. The Bear has 121 and the Logan has 130% of average snowpack for April 1. Streamflow forecasts are for slightly less flow than forecast last month but remain above average. Precipitation at mountain stations was 106% of average during March bringing the water year accumulation to 142% of normal. Reservoir storage is 114% of normal and 79% of capacity.

For more information contact your local Soil Conservation Service office:
Tremonton Field Office 801-257-5403
Logan Field Office 801-753-5616

BEAR RIVER BASIN

STREAMFLOW FORECASTS

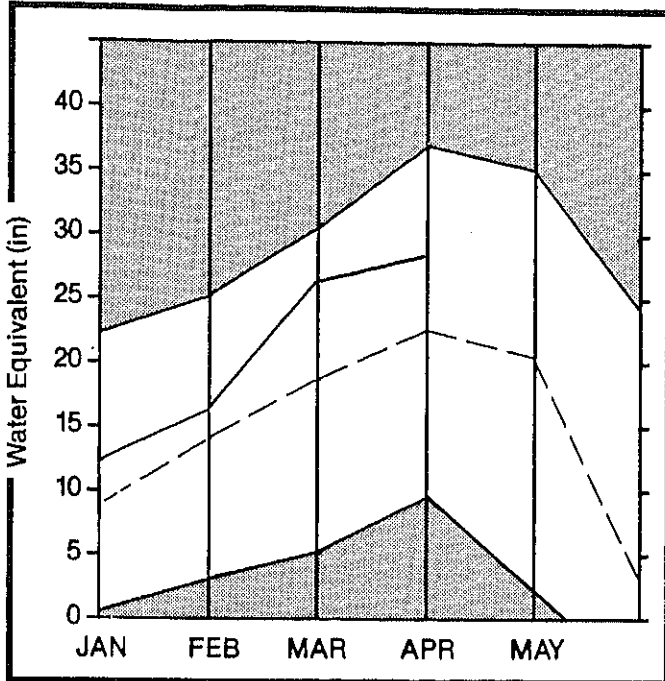
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
BEAR RIVER near UT-WY Stateline	APR-JUL	110.0	140.0	127	145	111	1922			
BEAR near Woodruff	APR-JUL	139.0	175.0	125	156	98				
WOODRUFF CREEK near Woodruff	APR-JUL	17.3	22.0	127	150	104	330			
BIG CREEK near Randolph	APR-JUL	5.3	9.1	171	226	113	85			
BEAR near Randolph	APR-JUL	110.0	200.0	181	234	130				
THOMAS FORK near Stateline	APR-SEP	35.0	48.0	137	160	114				
SMITHS FORK near Border	APR-SEP	119.0	151.0	124	149	105				
BEAR RIVER near Harer	APR-SEP	310.0	419.0	135	157	116				
LOGAN RIVER near Logan	APR-JUL	116.0	155.0	133	147	121	1250			
BLACKSMITH FORK near Hyrum	APR-JUL	51.0	69.0	135	163	112				
LITTLE BEAR RIVER near Paradise	APR-JUN	38.0	45.0	118	155	82	680			
CUB RIVER near Preston	APR-JUL	46.8	55.0	117	154	81				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **			WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF	
		THIS YEAR	LAST YEAR	AVE.			LAST YR.	AVERAGE
BEAR LAKE	1421.0	1123.8	1045.9	991.5	BEAR RIVER, UPPER IN UTAH	5	136	127
HYRUM	15.3	10.7	10.4	12.2	BEAR RIVER, LOWER IN UTAH	10	123	115
PORCUPINE	11.3	11.3	6.0	5.0	BEAR RIVER DRAINAGE IN MT	15	127	119
WOODRUFF NARROWS	55.8	55.8	56.5	---	BEAR RIVER, UPPER (above	11	156	132
WOODRUFF CREEK	3.5	4.0	3.5	---	BEAR RIVER, LOWER (below	20	126	116
					BEAR RIVER DRAINAGE	30	135	121
					LOGAN RIVER	5	145	130
					RAFT RIVER	4	133	104
					BEAR RIVER BASIN	38	135	120

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

Weber & Ogden Watersheds

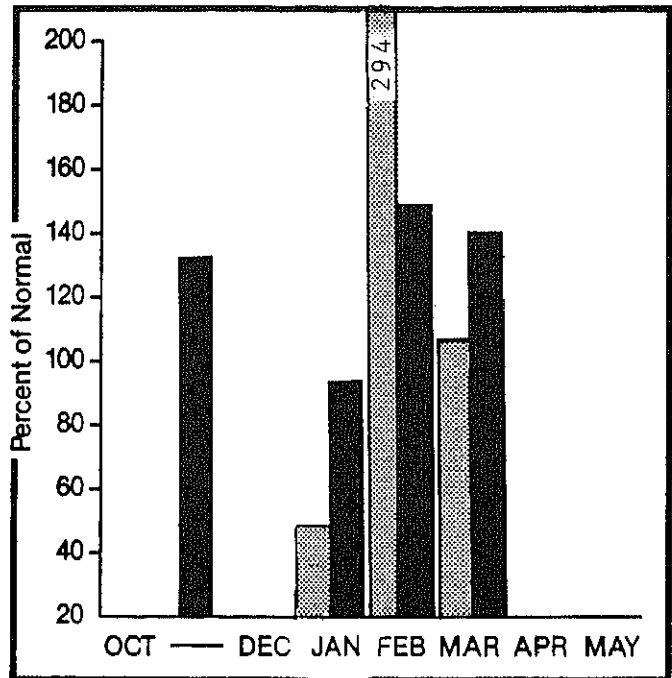
Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
Minimum  Current 

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Snowpack on the Weber River watershed varies from no snow to record April 1 snowpack on some sites. Even though some low elevation sites have below average snowpack, the Weber has 25% more snow than normal. The Ogden River snowpack is 36% greater than normal. Streamflow forecasts either remained the same or decreased slightly from levels forecast last month. Forecasts now range from 120 to 194% of average. Precipitation was 108% of the March average. Reservoir storage is 104% of average for April 1.

For more information contact your local Soil
Conservation Service office:
Layton Sub Office 801-544-9144

WEBER & OGDEN WATERSHEDS in Utah

STREAMFLOW FORECASTS

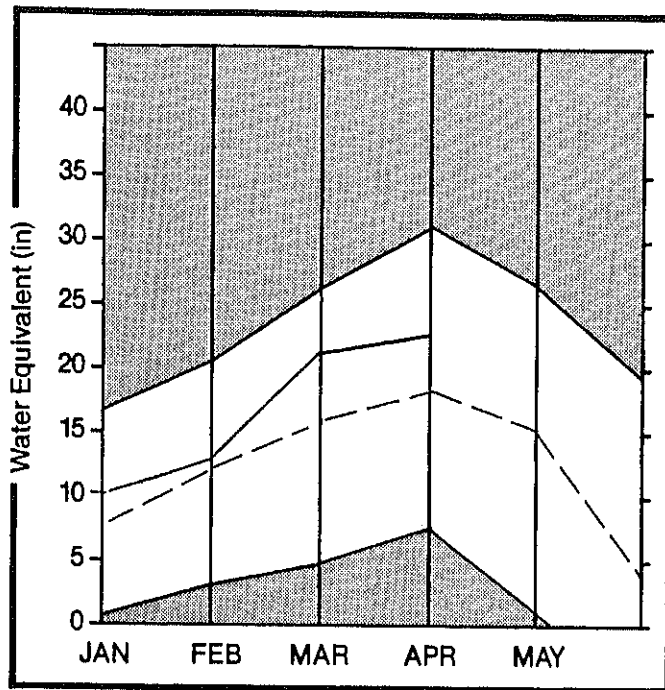
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
WEBER RIVER near Oakley	APR-JUN	102.0	153.0	150	165	128	2300			
ROCKPORT RESERVOIR inflow	APR-JUN	111.0	179.0	161	183	132				
CHALK CREEK near Coalville	APR-JUN	36.0	70.0	194	217	175	1000			
WEBER RIVER near Coalville	APR-JUN	119.0	195.0	163	187	144				
LOST CREEK near Croyden	APR-JUN	15.6	24.8	158	186	128				
EAST CANYON CREEK near Morgan	APR-JUN	25.0	30.0	120	148	100				
HARDSCRABBLE CREEK near Porterville	APR-JUN	18.4	24.4	132	174	87				
SOUTH FORK OGDEN RIVER near Huntsvil	APR-JUN	57.0	77.9	136	158	114				
PINEVIEW RESERVOIR inflow	APR-JUN	115.0	169.0	146	165	129				
ECHO RESERVOIR inflow	APR-JUN	145.0	255.0	175	199	156				
WEBER RIVER at Gateway	APR-JUN	300.0	503.0	167	185	151				
FARMINGTON CREEK near Farmington	APR-JUL	8.2	11.2	136	183	98				

RESERVOIR STORAGE (1000AF)		WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **			
		THIS YEAR	LAST YEAR	AVE.	
CAUSEY	6.9	2.8	0.6	2.6	OGDEN RIVER
EAST CANYON	48.1	33.6	25.9	36.6	WEBER RIVER
ECHO	73.9	25.5	46.2	49.5	WEBER & OGDEN WATERSHEDS
LOST CREEK	20.0	9.4	10.9	13.3	
PINEVIEW	110.1	71.6	61.6	55.6	
ROCKPORT	60.9	26.6	30.8	30.9	
HILLARD BAY	165.5	156.6	148.6	125.3	

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

Utah Lake, Jordan River & Tooele Valley

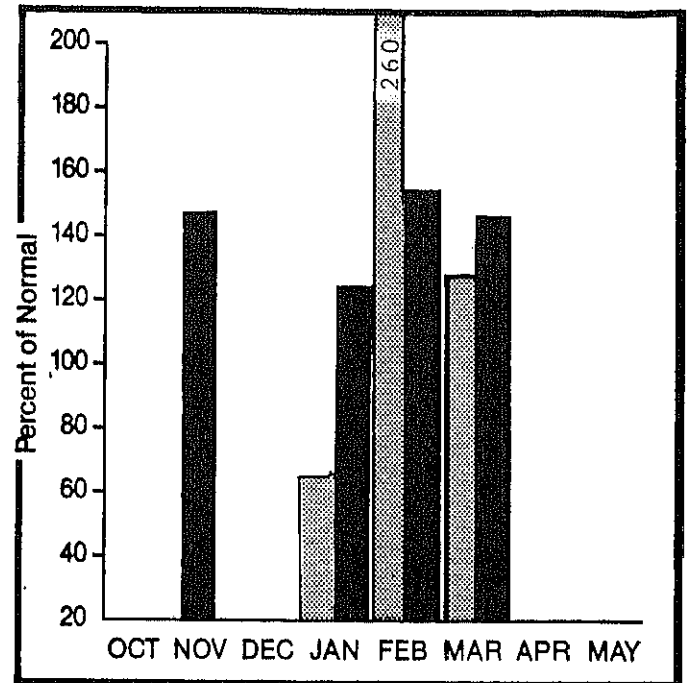
Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
Minimum  Current 

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Snowpack on the Utah Lake watershed is 119% of average. The Provo River drainage has 140% of normal April 1 snowpack with Trial Lake snow course at a record 38.7 inches of water content. Tooele Valley snowpack remains below average at 78%. Streamflow forecasts have generally increased slightly or remained at the same level as forecast last month. Forecasts now range from 90 to 197% of average. March precipitation at mountain stations was 28% above average. Reservoir storage is 147% of average.

For more information contact your local Soil
Conservation Service office:
Midvale Field Office 801-524-4373
Provo Field Office 801-377-5580

UTAH LAKE, JORDAN RIVER & TOOELE VALLEY

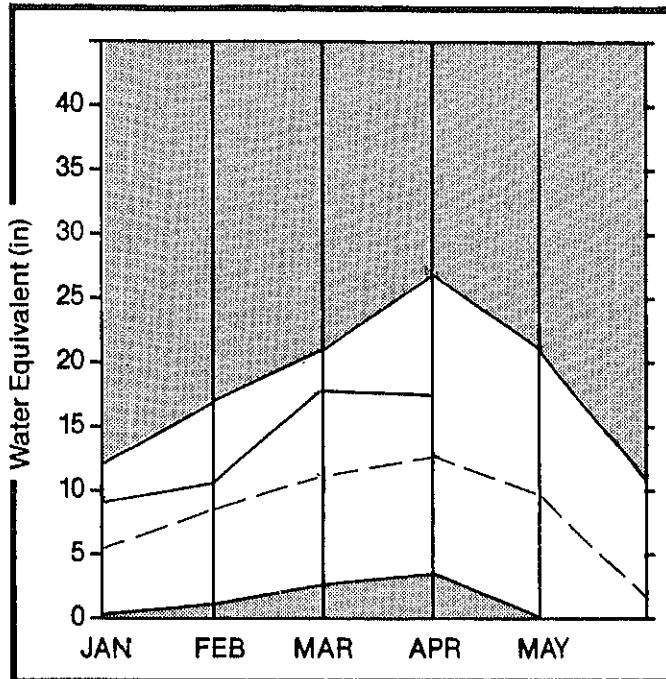
STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MTN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
PROVO near Hailstone	APR-JUL	106.0	165.0	155	174	131	2500			
PROVO below Deer Creek Dam	APR-JUL	118.0	210.0	177	199	156				
AMERICAN FORK near American Fk.	APR-JUL	31.0	53.0	170	187	161	600			
HOBBLE CREEK near Springville	APR-JUL	18.7	32.0	171						
STRAWBERRY RESERVOIR inflow	APR-JUL	72.0	110.0	152	168	136				
PAYSON CREEK near Payson	APR-JUL	6.2	9.0	145						
UTAH LAKE inflow	APR-JUL	238.0	470.0	197	226	174				
LITTLE COTTONWOOD CRK near SLC	APR-JUL	38.0	54.0	142	155	134				
BIG COTTONWOOD CRK near SLC	APR-JUL	37.0	55.0	148	159	135				
PARLEY'S CREEK near SLC	APR-JUL	14.8	23.0	155	189	135				
HILL CREEK near SLC	APR-JUL	5.8	10.5	181	207	172				
EMIGRATION CREEK near SLC	APR-JUL	3.7	7.2	194						
CITY CREEK near SLC	APR-JUL	7.7	12.5	162	182	143				
SETTLEMENT CREEK near Tooele	APR-JUL	2.3	2.2	95	130	43				
SOUTH WILLOW CREEK near Grantsville	APR-JUL	3.0	2.7	90	133	33				
VERNON CREEK near Vernon	APR-JUN	827.0	910.0	110	161	59				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **	THIS YEAR	LAST YEAR	AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE
DEER CREEK	149.7	108.8	123.3	97.9		PROVO RIVER & UTAH LAKE	9	118 119
GRANTSVILLE	3.3	3.2	---	---		PROVO RIVER	4	108 140
SETTLEMENT CREEK	1.0	0.8	0.3	0.6		JORDAN RIVER & GREAT SALT	6	101 115
STRAWBERRY-ENLARGED	951.4	528.8	290.9	---		TOOELE VALLEY WATERSHEDS	4	65 78
UTAH LAKE	883.9	1095.3	1187.1	722.9		UTAH LAKE, JORDAN RIVER &	19	99 109
VERNON CREEK	0.6	0.5	0.2	0.5				

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

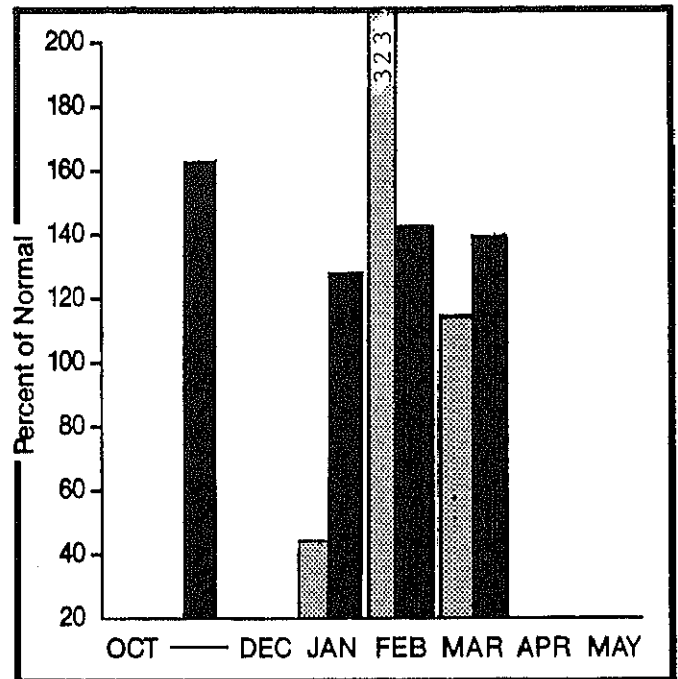
Mountain snowpack* (Inches)



*Based on selected stations

Maximum  Average 
 Minimum  Current 

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation  Year to date precipitation 

Snowpack on the Uintas is 135% of the average for April 1. Several snow courses on the south slope have record snowpack. Streamflow forecasts are down somewhat from levels forecast a month ago. Above to much above average flows, however, are still being forecast ranging from 122 to 185% of average. Mountain precipitation for March was 115% of bringing water year accumulation to 140% of a Reservoir storage at the end of March was 82% capacity and 124% of average.

For more information contact your local Soil Conservation Service office:
 Roosevelt Field Office 801-722-4621

UINTAH BASIN & DAGGET SCD'S

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
DUCHESNE RIVER near Tabiona	APR-JUL	105.0	145.0	138	152	124				
DUCHESNE RIVER near Duchesne	APR-JUL	189.0	260.0	137	154	123				
STRAWBERRY RIVER at Duchesne	APR-JUL	58.0	88.0	151	169	136	1200			
ROCK CREEK near Mountain Home	APR-JUL	93.0	125.0	134	153	118	2500			
CURRENT CREEK near Fruitland	APR-JUL	20.0	30.0	150	165	135				
LAKEFORK RIVER near Mountain Home	APR-JUL	70.0	94.0	134	157	117				
YELLOWSTONE RIVER near Altonah	APR-JUL	65.0	88.0	135	174	97				
DUCHESNE near Myton	APR-JUL	205.0	380.0	185	211	154				
WHITE ROCKS RIVER near Whiterocks	APR-JUL	58.0	78.0	134	174	95				
UINTAH RIVER near Neola	APR-JUL	86.0	115.0	133	173	94				
DUCHESNE near Randlett	APR-JUL	257.0	475.0	184	255	115				
WEST FORK DUCHESNE RIVER near Hanna	APR-JUL	26.0	39.0	150	165	135				
HENRY'S FORK near Manila	APR-SEP	48.0	59.0	122	160	96				
BLACK'S FORK near Millburne	APR-JUL	90.0	114.0	126	160	99				
FLAMING GORGE RESERVOIR inflow	APR-JUL	1248.0	1800.0	144	165	125				
ASHLEY CREEK near Vernal	APR-JUL	51.0	64.0	125	147	108				

RESERVOIR STORAGE (1000AF)

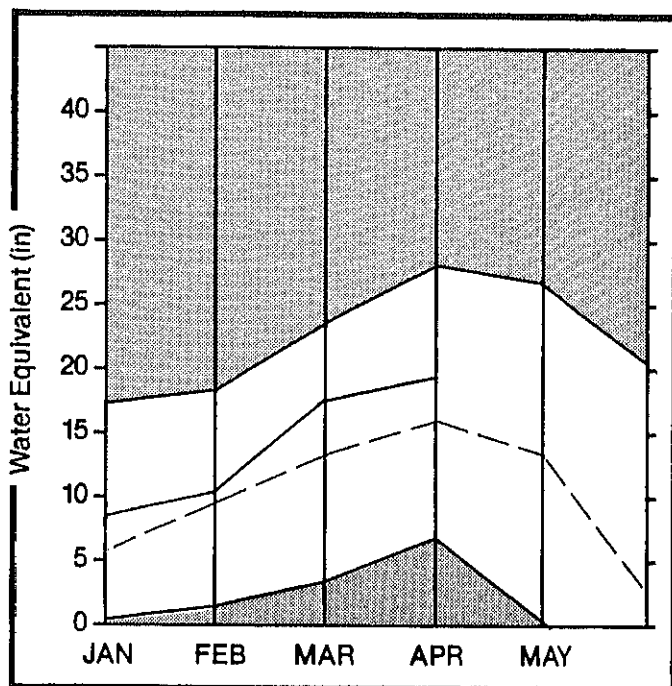
WATERSHED SNOWPACK ANALYSIS

RESERVOIR	USEABLE CAPACITY	USEABLE STORAGE THIS YEAR	USEABLE STORAGE LAST YEAR	USEABLE STORAGE AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AVERAGE
FLAMING GORGE	3749.0	2913.3	2987.3	---	UPPER GREEN RIVER in UTAH	13	126	100
MOON LAKE	35.8	25.0	32.7	18.3	ASHLEY CREEK	2	118	119
RED FLEET	26.0	20.8	20.1	---	BLACK'S FORK RIVER	3	103	117
STEINAKER	33.3	32.6	30.0	22.6	SHEEP CREEK	2	103	109
STARVATION	165.3	134.0	135.7	114.1	DUCHESNE RIVER	13	135	140
STRAWBERRY-ENLARGED	951.4	828.8	290.9	---	LAKE FORK-YELLOWSTONE CRE	3	141	144
					STRAWBERRY RIVER	4	119	127
					UINTAH-WHITEROCKS RIVERS	2	141	158
					UINTAH BASIN & DAGGET SCD	27	131	135

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

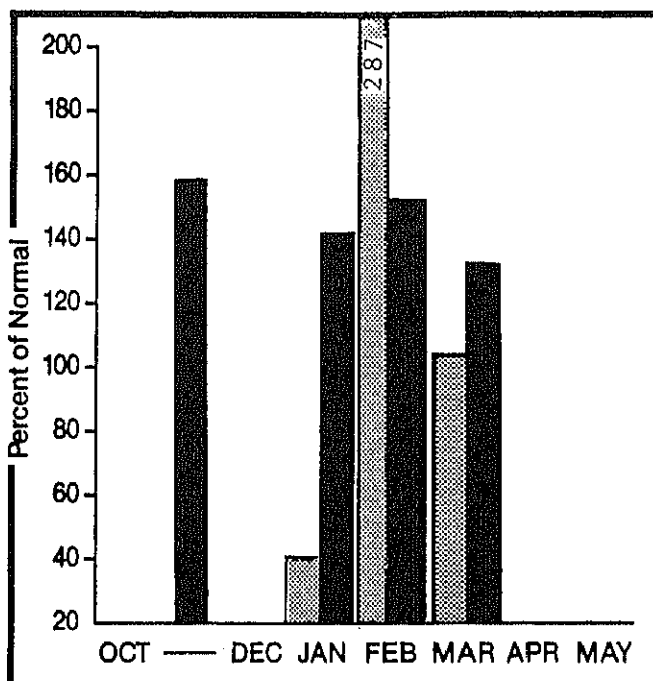
Carbon, Emery, Wayne, Grand, and San Juan Co.

Mountain snowpack* (Inches)



*Based on selected stations

Precipitation* (percent of normal)



*Based on selected stations

Maximum  Average 
Minimum  Current 

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Snowpack on the watersheds of southeastern Utah ranges from 82% of the April 1 average on the Blue Mountains to 118% on the San Rafael River. Stream-flow forecasts are the same or slightly lower than the forecasts released a month ago. Forecasts now range from 100 to 149% of the forecast period (April through July) average. Mountain precipitation in March was 105% of normal. Total accumulated precipitation for the water year is 132% of average. Reservoir storage is 156% of normal and 71% of capacity.

For more information contact your local Soil Conservation Service office:
Price Field Office 801-637-0041

CARBON, EMERY, WAYNE, GRAND, & SAN JUAN Co.

STREAMFLOW FORECASTS

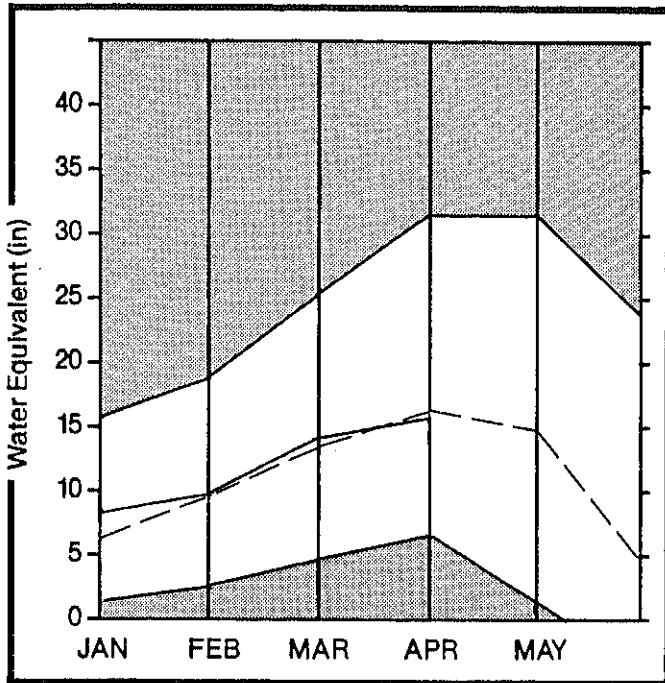
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
GOOSEBERRY CREEK near Scofield	APR-JUL	10.7	13.5	126	150	103				
SCOFIELD RESERVOIR inflow	APR-JUL	30.0	55.0	144	163	129				
PRICE near Heiner	APR-JUL	63.0	92.0	146						
HUNTINGTON CREEK near Huntington	APR-JUL	49.0	70.0	142	161	129				
COTTONWOOD CREEK near Oranageville	APR-JUL	47.0	57.0	121	151	91				
FERRON CREEK near Ferron	APR-JUL	37.0	45.0	121	146	97	650			
MUDDY CREEK near Emery	APR-JUL	18.5	22.0	118	141	97	250			
COLORADO near Cisco, UT	APR-JUL	3046.0	4300.0	141	171	116				
GREEN near Green Rv., IIT	APR-JUL	3016.0	4500.0	149	171	127				
MILL CREEK near Mosb	APR-JUL	5.5	6.0	109	127	91				
NAVAJO RESERVOIR inflow	APR-JUL	729.0	850.0	116	154	88				
SAN JUAN near Bluff, UT	APR-JUL	995.0	1120.0	112	153	82				
SEVEN MILE CREEK near Fish Lake	APR-JUL	6.5	6.5	100	123	77				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSTS			
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **	THTS LAST YEAR	AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	% OF AVERAGE
HUNTINGTON NORTH	3.9	3.7	3.0	3.8	PRICE RIVER	3	106	105
JOE'S VALLEY	54.6	47.8	48.1	45.6	SAN RAFAEL RIVER	7	116	118
KEN'S LAKE	2.3	1.4	0.9	---	MUDDY RIVER	2	129	103
MILL SITE	16.7	7.4	12.0	4.6	FREMONT RIVER	4	85	97
NAVAJO	1696.0	1210.0	1394.0	752.1	LASAL MOUNTAINS	2	135	95
SCOFIELD	65.8	43.7	50.9	33.3	BLUE MOUNTAINS	2	80	82
					CARBON, EMERY, WAYNE, GRA	22	106	105

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

Sevier & Beaver River Basins

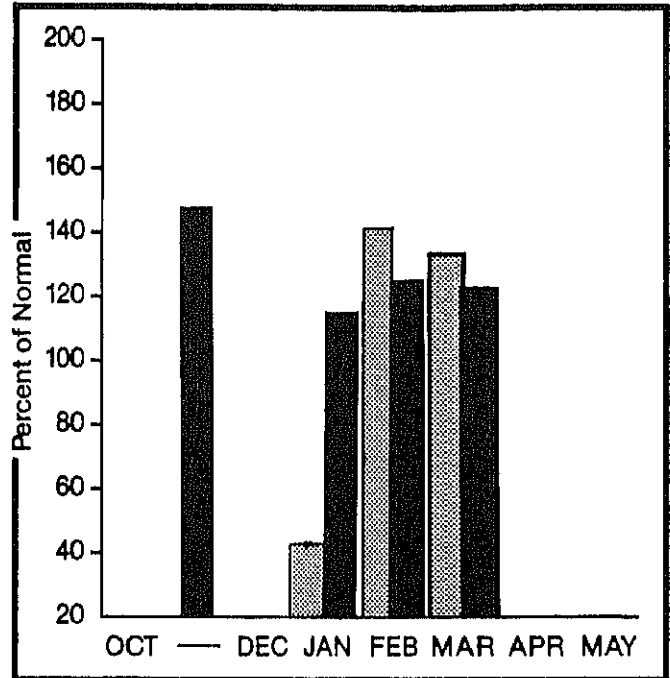
Mountain snowpack* (inches)



*Based on selected stations

Maximum  Average 
Minimum  Current 

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Snowpack on the Upper Sevier is 76% of average. The Lower Sevier is slightly above average with 101%. The Beaver River snowpack remains heavy with 139% of average April 1 water content. Streamflow forecasts now range from 80% to 384% of average across the basin. Precipitation at mountain stations was 133% of the March average. Total accumulated precipitation for the water year is 123% of normal. Reservoir storage is 96% of usable capacity and 156% of normal for the end of March.

For more information contact your local Soil Conservation Service office:
Richfield Field Office 801-896-6261
Fillmore Field Office 801-743-6655

SEVIER & BEAVER RIVER BASINS

STREAMFLOW FORECASTS

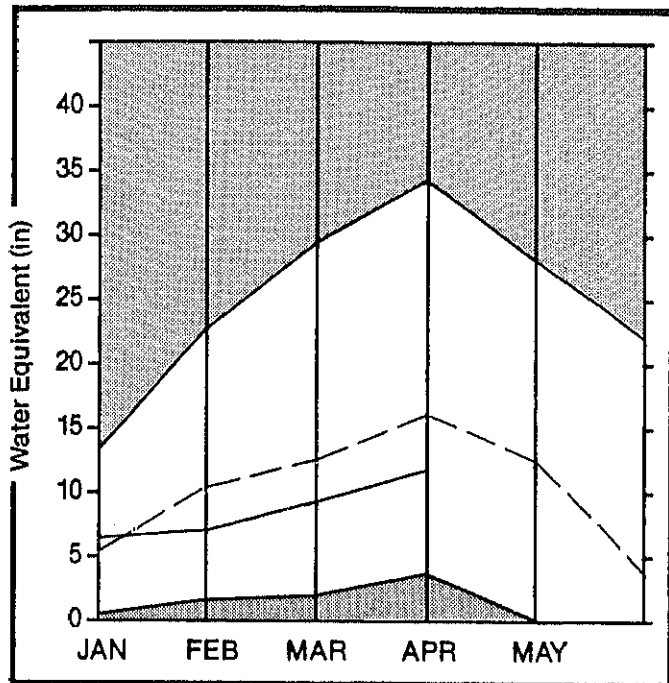
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MTN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
SEVIER at Hatch	APR-JUL	48.0	52.0	108	140	85	500			
SEVIER near Circleville	APR-JUL	38.0	50.0	131	132	132				
SEVIER near Kingston	APR-JUL	29.0	32.0	110	172	62	450			
ANTIMONY CREEK near Antimony	APR-JUL	10.3	9.5	92						
E F SEVIER near Kingston	APR-JUL	18.9	25.0	132	190	101				
SEVIER b/w Piute Dam	APR-JUL	45.0	50.0	111	176	60				
CLEAR CREEK near Sevier	APR-JUL	18.9	21.0	111			325			
SIGURD to GUNNISON	APR-JUL	26.0	100.0	384	465	308				
KINGSTON to VERMILLION DAM	APR-JUL	45.0	60.0	133						
VERMILLION DAM to GUNNISON	APR-JUL	35.0	95.0	271						
SALINA CREEK at Salina	APR-JUN	11.9	22.0	184			600			
SEVIER nr Gunnison	APR-JUL	54.0	150.0	277						
CHALK CREEK near Fillmore	APR-JUL	16.4	15.0	91	116	67				
CHICKEN CREEK near Levan	APR-JUL	3.5	4.1	117	143	86				
OAK CREEK near Oak City	APR-JUL	1.6	1.7	106	188	62				
EPHRAIM CREEK near Ephraim	APR-JUL	14.9	20.0	134						
PLEASANT CREEK near Pleasant	APR-JUL	8.6	12.0	139						
SALT CREEK near Nephi	APR-JUL	13.5	10.9	80	156	7				
BEAVER RIVER near Beaver	APR-JUL	23.0	38.3	166	209	126	450			
NORTH CREEK near Beaver (combined N	APR-JUL	14.6	22.0	150	226	75				
MINERSVILLE RESERVOIR inflow	APR-JUN	8.9	18.0	202	247	157				

RESERVOIR STORAGE		(1000AF)			WATERSHED SNOWPACK ANALYSTS			
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **			WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF	
		THIS YEAR	LAST YEAR	AVE.			LAST YR.	AVERAGE
GUNNISON	18.2	18.5	15.5	16.3	UPPER SEVIER RIVER (south	11	79	76
MINERSVILLE (RkyFd)	26.0	22.9	26.0	14.3	EAST FORK SEVIER RIVER	4	83	79
OTTER CREEK	52.5	52.5	47.5	35.8	SOUTH FORK SEVIER RIVER	7	77	75
PIUTE	71.8	71.7	71.6	46.2	LOWER SEVIER RIVER (inclu	13	102	101
SEVIER BRIDGE	236.0	221.3	210.1	136.2	BEAVER RIVER	3	144	139
PANQUITCH LAKE	22.3	20.0	20.9	---	SEVIER & BEAVER RIVER BAS	27	100	98

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

E. Garfield, Kane, Washington, & Iron Co.

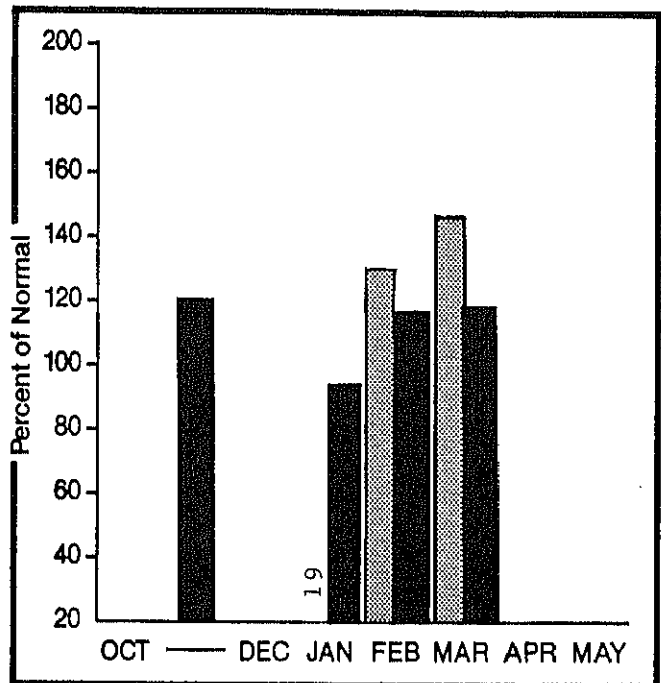
Mountain snowpack* (Inches)




*Based on selected stations

Maximum  Average 
Minimum  Current 

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Virgin River snowpack is 77% of normal for April 1. Parowan Creek, Coal Creek and Escalante pack is 72, 75 and 88% of enterprise-New Harmony snow average. Mild temperatures pack by 2 to 21% of average despite March precipitation result of heavy March forecasts have increased forecast last month.

For more information contact
Conservation Service office
Cedar City Field Office

E. GARFIELD, KANE, WASHINGTON, & IRON Co.

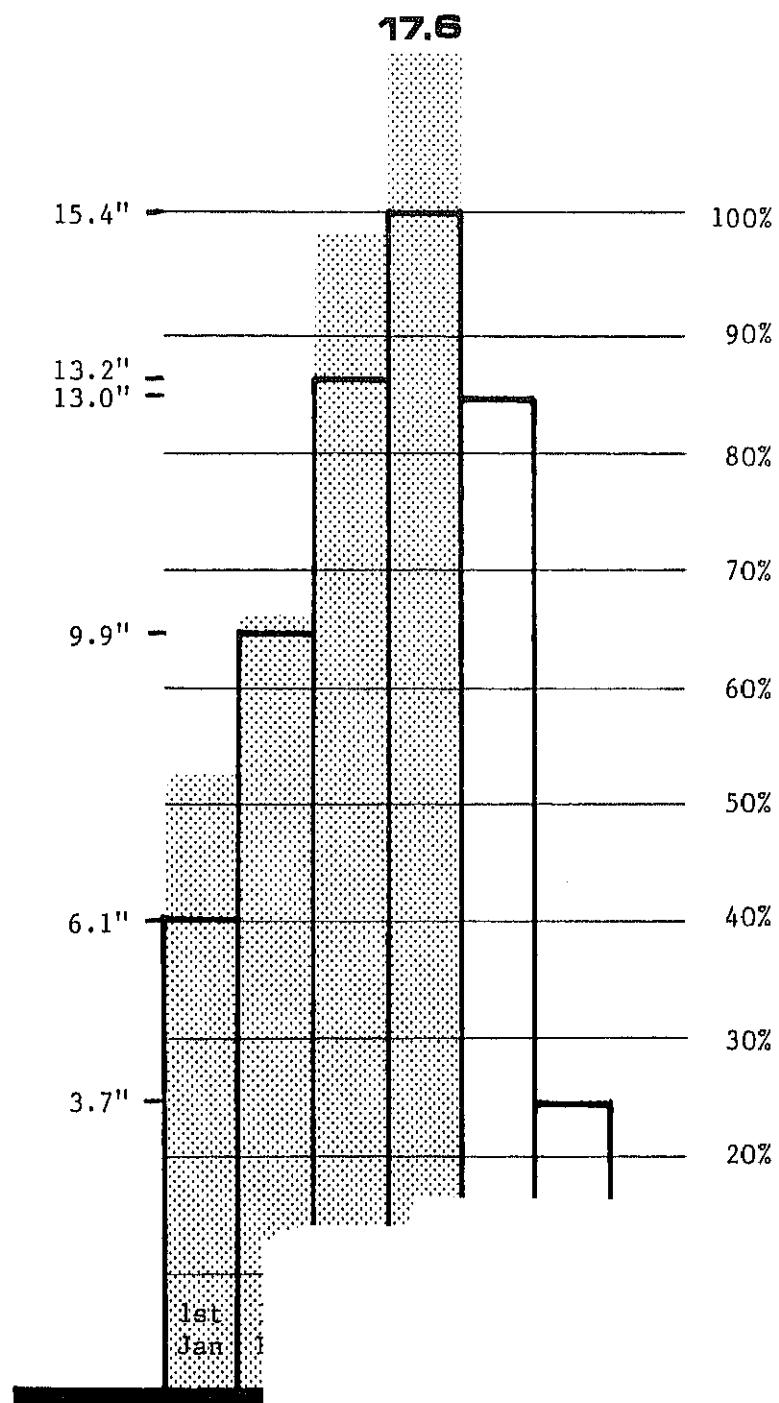
STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
VIRGIN near Hurricane	APR-JUN	62.0	55.0	88	123	56	600			
SANTA CLARA near Pine Valley	APR-JUN	5.3	5.3	100						
COAL CREEK near Cedar City	APR-JUL	18.4	22.0	119	147	98	350			
LAKE POWELL inflow	APR-JUL	7462.0	10800.0	144	173	120				

RESERVOIR STORAGE (1000AF)				WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	USEABLE THIS YEAR	STORAGE LAST YEAR AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE	
LAKE POWELL	25002.0	22015.0	21399.0	VIRGIN RIVER	5	86	77
				PAROHAN	4	76	72
				ENTERPRISE TO NEW HARMONY	2	18	9
				COAL CREEK	3	81	75
				ESCALANTE RIVER	2	78	68
				E. GARFIELD, KANE, WASHIN	12	76	66

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

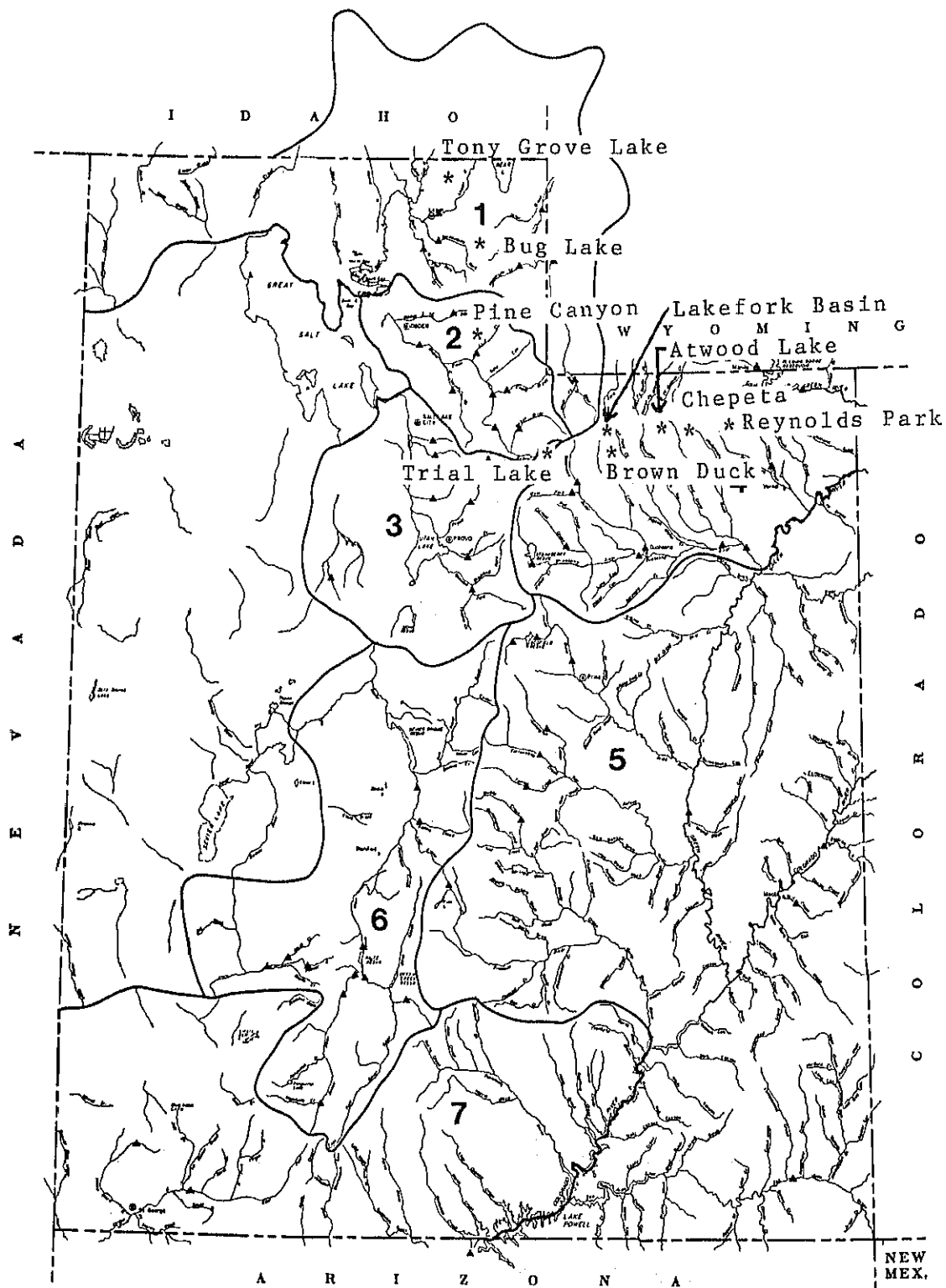
Utah Snowpack Progress



Statewid

Average mo
current v
20 year
Peak averag
April 1

*=NEW RECORD APRIL 1 SNOW WATER EQUIVALENT



The Following Organizations Cooperate With The Soil Conservation Service In Snow Survey Work

State

Utah State University
Utah State Department of Natural Resources
Division of Wildlife Resources
Division of Water Resources
Division of Water Rights
Bear River Commissioner
Price River Commissioner
Provo River Commissioner
Sevier River Commissioners
Spanish Fork River Commissioner
Utah Lake and Jordan River Commissioner

Federal

U.S. Department of Agriculture
Soil Conservation Service
Forest Service
U.S. Department of Commerce
NOAA, National Weather Service
U.S. Department of Interior
Bureau of Reclamation
Geological Survey
National Park Service

Municipality

Manti
Salt Lake City

Public

Beaver River Water Users Association
Board of Canal Presidents - Jordan River
Central Utah Conservancy District
Emery Canal and Reservoir Company
Moon Lake Water Users Association
Ogden River Water Users Association
Provo River Water Users Association
Strawberry Water Users Association
Sevier River Water Users Association
Weber River Water Users Association
Weber Basin Conservancy District

Other organizations and individuals furnish
information for the snow survey.
Their cooperation is gratefully

All programs and services of U.S.
of Agriculture are available to
without regard to race, creed, c
age, handicap, or national origi